

ABSTRACT

A glass substrate for a magnetic recording medium is formed to have a disc shape and includes ridge shaped textures 13 extending along concentric circles on a main surface. When measuring a $10\text{ }\mu\text{m}$ square range with an atomic force microscope, the textures have a width W that is between 10 and 200 nm. The textures have a height H that is between 2 and 10 nm. Further, the textures have a ratio (Rp/RMs) of a maximum mountain height with respect to a root mean square roughness that is less than or equal to 15. The textures include high frequency components superimposed on the low frequency components. It is preferable that the textures of the high frequency components have a width W' that is between 0.1 and 20 nm, and the textures of the high frequency components have a height H' that is between 0.1 and 1 nm.